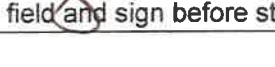


Job Safety Analysis (AST)

Date (AA/MM/DD): Time (24 hour format): 15 July 14	Company Department or Contractor: Construction / KQ
Description of Works: REBAR WORKS	Location: PLANTA DE CONCRETO

Name of Worker	Signature	Name of Worker	Signature
BARTOLOME D. DEGUZMAN		Esteban Lorenzo	
Robby B. CASIMIRO		Hector Lopez	
V.L. MALABANAN		Erick Gumpah	
ANDRES T. DEJANO - JIC			
RONALDO M. JONSON			
JIMMY B. GABATO			
ARNULFO C. ABRAZADO JR.			
HECTOR B. AMORES JR.			

All team members MUST participate in developing the AST field and sign before starting work.

Work Permits for High Risk

- Hot Jobs ☐
 Confined Spaces ☐
 Diggings ☐
 Lift Critical Loads ☐
 Work at height ☐
 Power Locks ☐

Emergency Equipment

- Extinguishers ☐ Safety Showers ☐
 Eyewash ☐ Emergency Kit ☐
 Radio Channel _____

Personal Protective Equipment

- Helmet ☒
 Safety Glasses ☒
 Shoes and / or steel-toed boots ☒
 Work uniform ☒
 Reflective Vests ☒
 Leather gloves and / or nitrile ☒
 Chainsaw trousers ☐
 Mask for chainsaw ☐
 Knee to axer ☐
 Ear protection ☐

- Respirator ☐
 Harness ☐
 Raincoat ☒
 Face shield ☐
 Leather jacket ☐
 Long Leather Gloves ☐
 Leather apron ☐
 Equipment /other: _____

Job Summary:

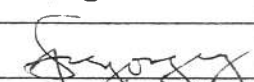
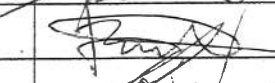
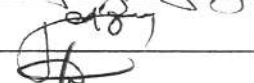
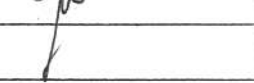
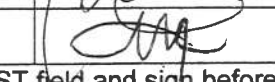
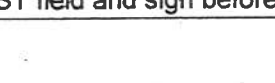
Step Work	Hazards / Potential Risks Detected	Risk Control Plan or
STEEL FIXING & OTHERS	CAUGHT IN BETWEEN	* LEATHER GLOVES * AVOID PLACING HAND IN BETWEEN OF TWO BASE PLATE
MANUAL LIFTING OF STEEL	HAND INJURY, SLIP & TRIP,	* USE LEATHER GLOVES PRIOR TO START THE WORK, ADAPT MANUAL LIFTING TECHNIQUE, KEEP THE AREA CLEAN.
ASSEMBLE OF STEEL REINFORCEMENT	TRIP & FALL PINCH POINT	* USE FULL BODY HARNESS WHEN WORKING ON TOP OF ASSEMBLED REINFORCEMENT STEEL AND PROVIDE WOODEN PLANKS USE AS WORKING PLATFORM. * USE LEATHER GLOVES.

FOREMAN JIMMY

Job Safety Analysis (AST)

~~FOM~~

Date (AA/MM/DD): Time (24 hour format): 14/07/14 TO 15/07/14	Company Department or Contractor: FOM, FCD
Description of Works: (SHUTTERING/ DISMANTLE) WORK CONTINUATION	Location: BATCHING PLANT/ CRUSHER

Name of Worker	Signature	Name of Worker	Signature
JIMMY ROCAVORA		Ronel Corruz	
PABLO BORLEO JR		JESUS CASTILLO	
FERNANDO MANDILA		Ricardo Monguiat	
Vicente Pollido			
ERNESTO BARBOSA JR			
ARIEL ARRANGUE			
DONNEL REPADAVIA			
Marty P. Evangelista			

All team members MUST participate in developing the AST field and sign before starting work.

Work Permits for High Risk

- Hot Jobs ☐
- Confined Spaces ☐
- Diggings ☐
- Lift Critical Loads ☐
- Work at height ☒
- Power Locks ☐

Emergency Equipment

- Extinguishers ☐ Safety Showers... ☐
- Eyewash ☐ Emergency Kit ☒
- Radio Channel _____

Personal Protective Equipment

- Helmet ☒
- Safety Glasses ☒
- Shoes and / or steel-toed boots ☒
- Work uniform ☒
- Reflective Vests ☒
- Leather gloves and / or nitrile ☒
- Chainsaw trousers ☐
- Mask for chainsaw ☐
- Knee to axer ☐
- Ear protection ☐

- Respirator ☐
- Harness ☒
- Raincoat ☒
- Face shield ☐
- Leather jacket ☐
- Long Leather Gloves ☐
- Leather apron ☐
- Equipment /other: CRANE

Job Summary:

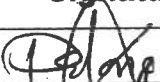
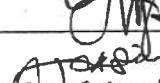
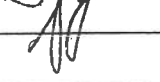
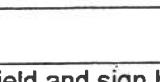
Step Work	Hazards / Potential Risks Detected	Risk Control Plan or
CRANE SET UP	SOFT & UNLEVELLED GROUND INCOMPETENT CRANE OPERATOR	CHECK GROUND CONDITION AND USE OUT RIGGER PAD. ONLY TRAINED CERTIFIED RIGGER WILL BE ASSISTING THE CRANE OPERATOR ON LIFTING OPERATION
INSTALL LIFTING CLAMP FOR REMOVAL OF EXISTING SHUTTER	FALL HAZARD, DAMAGE SLING B. INCOMPETENT RIGGER	CONDUCT VISUAL INSPECTION FOR LIFTING TOOLS & TRUCK, ONLY COMPETENT RIGGER ASSISTING THE CRANE OPERATOR
MODIFIED EXISTING SCAFFOLD	COLLAPSE OF EXISTING SCAFFOLD FALL	CHECK & VERIFY BY CIVIL/SCAFFOLDING SUPERVISOR THE STABILITY OF THE MODIFIED SCAFFOLDING PRIOR TO USE.
ARRANGEMENT OF FORM WORK INCLUDING ASSEMBLY.	SLIP & TRIP, PINCH POINT, CAUGHT IN BETWEEN, PROTRUDING NAIL	ASSIGN ONE LOCATION WITH BARRICADE FOR STOCKPILE OF SHUTTERING MATERIAL ASSEMBLY. PROVIDE END CAP AVOID PUTTING THE HAND IN BETWEEN OF TWO BLOCK SPACE.
HOUSEKEEPING	SLIP & TRIP	DAILY COLLECT ALL UNNECESSARY MATERIALS, DEBRIS AND KEEP IT ON THE DESIGNATED DUMPING AREA.

R. SILANG

Minera Panama

Job Safety Analysis (AST)

Date (AA/MM/DD): 2014-7-14/19 Time (24 hour format): 7:00 / 6:00 PM.	Company Department or Contractor: QML
Description of Works: ASSEMBLY, BOLT TIGHTENING & IRRIGATION OF SILO 4660 Ø.. INSTALATION OF COLUMN FOR COMPAVOR..	Location: THE PORT PLANTA CONCRETO

Name of Worker	Signature	Name of Worker	Signature
ROMUALDO SILANG			
ROBERTO V. ACMAZAM			
MARY P. EVANGELISTA			
JESUS S. CASTILLO			
EDGAR S. MACATANGAY			
GODFREDO C. LLAO			

All team members MUST participate in developing the AST field and sign before starting work.

Work Permits for High Risk

Hot Jobs..... ☐
 Confined Spaces..... ☐
 Diggings..... ☐
 Lift Critical Loads..... ☒
 Work at height..... ☒
 Power Locks..... ☐

Emergency Equipment

Extinguishers..... ☒ Safety Showers..... ☐
 Eyewash..... ☐ Emergency Kit..... ☐
 Radio Channel..... ☒

Personal Protective Equipment

Helmet..... ☒
 Safety Glasses..... ☒
 Shoes and / or steel-toed boots..... ☒
 Work uniform..... ☐
 Reflective Vests..... ☒
 Leather gloves and / or nitrile..... ☒
 Chainsaw trousers..... ☐
 Mask for chainsaw..... ☐
 Knee to axer..... ☐
 Ear protection..... ☒

Respirator..... ☐
 Harness..... FULL BODY..... ☒
 Raincoat..... ☒
 Face shield..... ☒
 Leather jacket..... ☐
 Long Leather Gloves..... ☒
 Leather apron..... ☒
 Equipment /other: CRANE, MAN LIFT
 TELE HANDLER

Job Summary:

Step Work	Hazards / Potential Risks Detected	Risk Control Plan or
* TOOL BOX MEETING	MIS UNDERSTANDING OR COMMUNICATION GAP	GOOD COMMUNICATION
* PREPARATION OF TOOLS	^{SLIP} SLIP TRIP	WATCH YOUR SURROUNDING
* HAULING OF MATERIALS USING TELE HANDLER	FALLING MATERIALS.. *	BARACADING AREA.. FLAG MAN IS NECESSARY
* WELDING.	BURN →	W/ FIRE EXTINGUISHER.. QUALIFIED WELDER..
* BOLT TIGHTENING USING SPANNER, IMPACT WRENCH, AND MAN LIFT..	FALLING MATERIALS & BOLT.. MAN LIFT OUT BALANCE.. PINCH POINT..	BARACADING AREA ALWAYS GOOD LEVEL POSITION OF MAN LIFT.. USED WORKING GLOVES..
* INSTALLATION OF SILO 4600 Ø, USING OF CRANE	CUT CHANE, CRANE OUT BALANCE, OR TIP OVER	CHECK BEFORE USING.. CHECK HYDROLIC, AND ALWAYS, USING OUT REAGER..

HOUSE KEEPING

EVERY DAY.

DATE: 2014-7-14 TO 19
SITE _____

[illegible]

DATE: _____
SITE: _____

[illegible]